AUTODOC CLUB

How to change rear shock absorbers on **Audi A4 B7 Avant** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
AUDI A4 Saloon (8E2, B6) 1.8 T, AUDI A4 Saloon (8E2, B6) 2.0, AUDI A4 Saloon (8E2, B6) 1.8 T quattro, AUDI A4 Saloon (8E2, B6) 3.0, AUDI A4 Saloon (8E2, B6) 3.0 quattro, AUDI A4 Saloon (8E2, B6) 1.9 TDI, AUDI A4 Saloon (8E2, B6) 2.5 TDI quattro, AUDI A4 Saloon (8E2, B6) 1.6, AUDI A4 Saloon (8E2, B6) 2.5 TDI, AUDI A4 Avant (8E5, B6) 1.6, AUDI A4 Avant (8E5, B6) 2.0, AUDI A4 Avant (8E5, B6) 1.8 T, AUDI A4 Avant (8E5, B6) 3.0, AUDI A4 Avant (8E5, B6) 1.9 TDI, AUDI A4 Saloon (8E2, B6) 2.4, (+ 47)

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – AUDI A4 B7 AVANT. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Combination spanner #21
- Drive socket # 13
- Drive socket # 21
- Torx bit T25
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Adjustable wrench
- Hammer
- Pin punch
- Rubber mallet
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: shock absorbers – Audi A4 B7 Avant. Tip from AUTODOC experts:

- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- All work should be done with the engine stopped.

REPLACEMENT: SHOCK ABSORBERS – AUDI A4 B7 AVANT. TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.



4 Unscrew the wheel bolts.



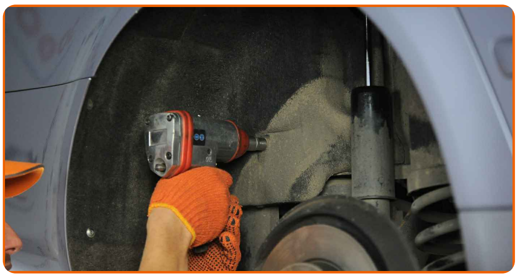
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Audi A4 B7 Avant

5 Remove the wheel.



6.1 Unscrew and remove the wheel arch cover fasteners. Use a drive socket #13.



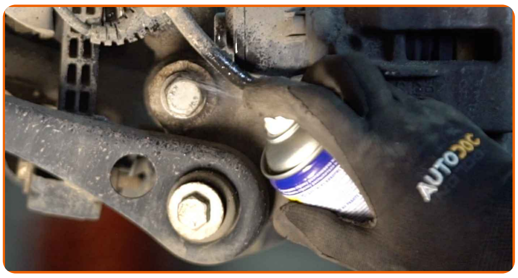
6.2 Use Torx T25. Use a ratchet wrench.



7 Remove the wheel arch cover.



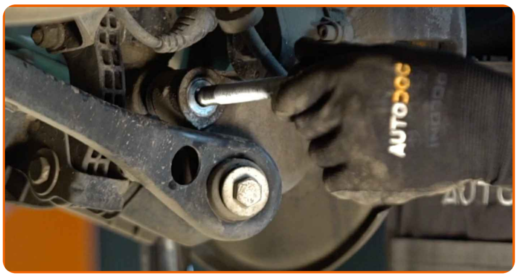
8 Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



9 Unscrew the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.



10 Remove the fastening bolt.



11 Support the arm. Use a hydraulic transmission jack.



12 Detach the lower part of the shock absorber. Use a pin punch. Use a hammer.

13 Remove the support from under the arm.

Replacement: shock absorbers – Audi A4 B7 Avant. AUTODOC recommends:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

14 Unscrew the upper fastener of the shock absorber. Use a drive socket #13. Use a ratchet wrench.



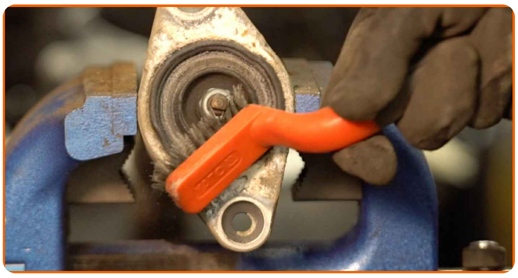
AUTODOC recommends:

- Important! Hold the shock absorber while unscrewing the fastening bolts. Audi A4 B7 Avant

15 Remove the shock absorber.



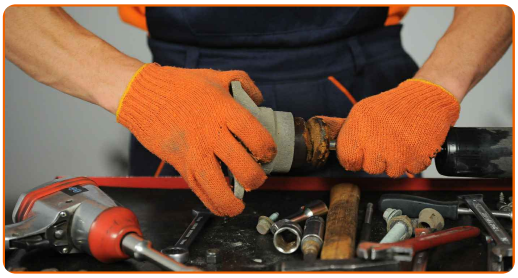
16 Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.



17 Remove the shock absorber piston rod fastening. Use a combination spanner #16. Use an adjustable wrench.



18 Remove the shock absorber mount, boot and bump stop. Use a rubber mallet.



AUTODOC recommends:

- Replacement: shock absorbers – Audi A4 B7 Avant. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

19 Install the mount, boot and bump stop onto a new shock absorber.



20 Tighten the shock absorber rod nut. Use a combination spanner #16. Use an adjustable wrench. Use a torque wrench. Tighten it to 25 Nm torque.



21 Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.



22 Place the shock absorber in the wheel arch and secure it.



AUTODOC recommends:

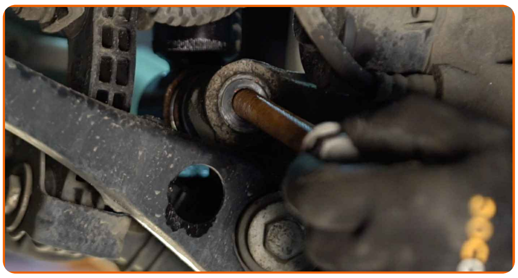
- To avoid injury, hold the shock absorber cautiously tight when screwing in the fastening bolts.

23 Tighten the top shock absorber fastening. Use a drive socket #13. Use a torque wrench. Tighten it to 36 Nm torque.



24 Attach the lower part of the shock absorber.

25 Install the fastening bolt. Use a hammer. Use a pin punch.



26 Support the arm. Use a hydraulic transmission jack.



27 Tighten the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 150 Nm torque.+90°



Replacement: shock absorbers – Audi A4 B7 Avant. Professionals recommend:

- Important! Be sure to use new fasteners.

28 Remove the support from under the arm.



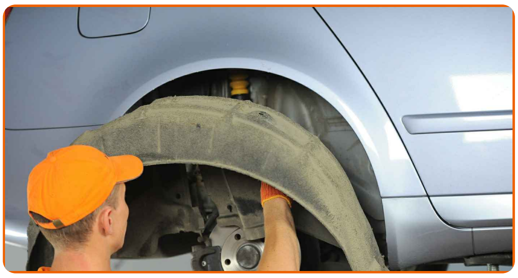
AUTODOC recommends:

- Replacement: shock absorbers – Audi A4 B7 Avant. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

29 Treat the shock strut fasteners. Use copper grease.



30 Install the wheel arch cover to its mounting seat.



31 Install and tighten the wheel arch cover fasteners. Use a drive socket #13. Use Torx T25. Use a ratchet wrench.



32 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



33 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: shock absorbers – Audi A4 B7 Avant. After applying the spray, wait a few minutes.

34 Install the wheel.



Replacement: shock absorbers – Audi A4 B7 Avant. Tip from AUTODOC experts:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

35 Screw in the wheel bolts. Use wheel impact socket #17.



36 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.



37 Remove the jacks and chocks.



WELL DONE!

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